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RECEIVED
FEB 13 1987
Ken Houghton

To: Mr. M. Häusermann Date: February 10, 1987

From: F. Senehi Doc name: sef87d92

Subject: New Brand launched in Germany:
Reynolds 84/F Double Blend / Intermediate Report No. 2

Copies: Messrs.

M.	Bourlas	R&D
S.	Darrah	PM-EEC
L.	Fernandez	R&D
H.	Friedrich	R&D
F.	Lopes	R&D
P.	Nagel	R&D
U.	Nyffeler	R&D
J. M.	Renaud	R&D
P. Y.	Soguel	R&D
G.	Völkl	PMG-M
J.	Zuber	R&D

cc: Wickham
Gaunn
Spielberg
Heretick
2-17-87

Reference is made to the intermediate report of February 6, 1987 in which it was mentioned that a test was to be made in order to determine the difference in the filler density of each blend.

Difference in filler density between the two blends

The average tobacco weight was determined on each segment of 10 mm (20 measurements were made per segment).

- Segment one corresponds to the filter-end
- Segment six corresponds to the fire-end

Segment	Tobacco Weight [mg] $\bar{x}$	Tobacco Weight [mg] s	Filler density [mg/ml]
1	115.7	8.6	234
2	115.5	8.6	234
3	115.2	9.1	233
4	112.5	6.4	228
5	108.0	7.5	218
6	109.2	10.3	221
Segment 1 to 6	676.1		
Remaining 3-mm segment	27.0		
63-mm tobacco rod	703.1		

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Source: https://www.industrydocuments.ucsf.edu/docs/mxpk0001

The statistical t test showed that the results obtained on segments 1 and 2 (filter-end) were significantly different at 95% confidence interval from those obtained on segments 5 and 6 (fire-end).

Segments 3 and 4 contained a mixture of the two blends.

The filler density of segments 1 and 2 was 6.6% greater than that of segments 5 and 6 and not "at least 20%" as it is stated in the patent under the summary of the invention.

Best regards.

CIGARETTE INFORMATION

F. Senehi

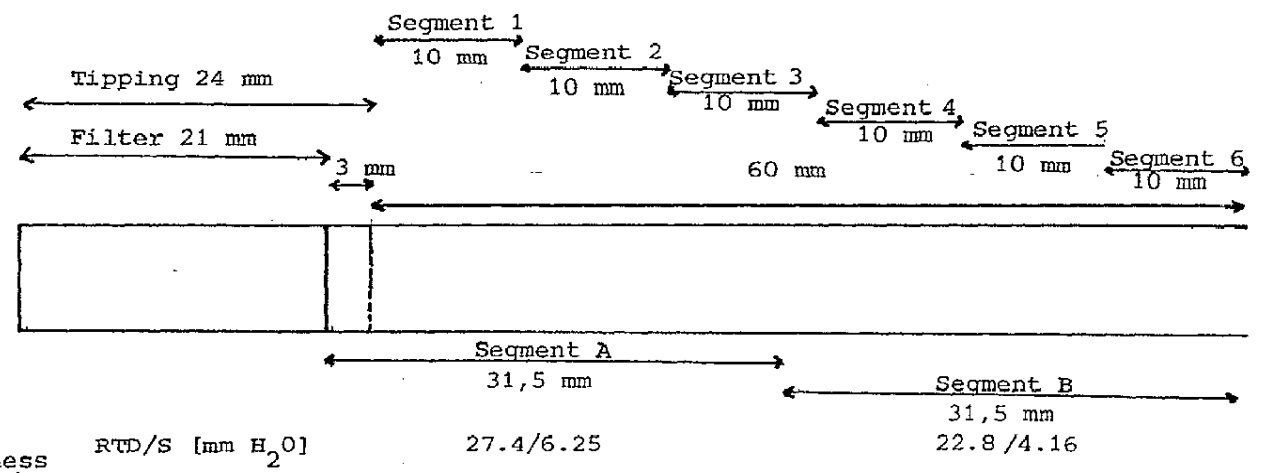
Enclosure: Table of results

Source: https://www.industrydocuments.ucsf.edu/docs/mxpk0001

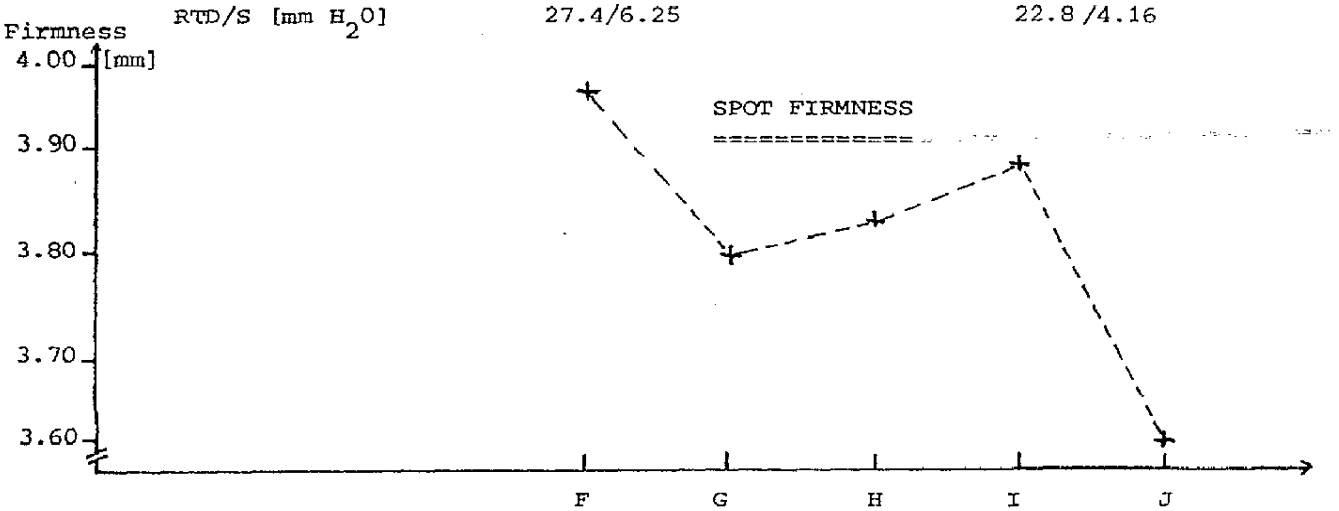
TABLE OF RESULTS

Reynolds Double Blend

Filler Segment		1	2	3	4	5	6
- Total alkaloids	[%]	1.64	1.61	1.79	1.99	2.22	2.25
- Reducing sugars	[%]	11.1	11.4	10.8	10.1	9.8	9.6
- $N\text{-}NO_3$	[%]	0.19	0.17	0.19	0.19	0.19	0.20
- $N\text{-}NH_3$	[%]	0.17	0.17	0.17	0.16	0.16	0.16
Picking							
- Stems	[%]	9	11	7	7	8	9
- Improved stems	[%]	4	5	3	1	1	1
- Reconstituted tobacco	[%]	4	7	7	15	20	13
- Expanded tobacco	[%]	8	9	9	12	12	11
- Width of cut	[mm]	0.8	0.8	0.8	0.8	0.8	0.8
- Weight of segment	[mg]	115.7	115.5	115.2	112.5	108.0	109.2
- Filler density of segment	[mg]	234	234	233	228	218	221



RTD/S [mm H_2O] 27.4/6.25 22.8/4.16



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